



Sequence Listing:

Please replace the original sequence listing with the substitute sequence listing filed herewith. The substitute sequence listing is submitted in CRF format (on 3.5" disk) and on paper, in compliance with 37 CFR §§ 1.821-1.825. The substitute sequence listing contains the same sequences as found in the originally filed sequence listing.

REMARKS

Sequence Listing

In compliance with 37 C.F.R §§ 1.821-1.825, the applicant herewith submits the substitute Sequence Listing on paper and computer readable form (on 3.5" disk) in compliance with 37 C.F.R. §§ 1.825(a)-(d). The paper copy and computer readable forms of the Sequence Listing are the same.

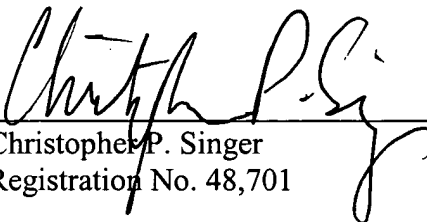
The Sequence Listing has been generated from the originally filed sequence listing. The sequence listing has amended in order to correct the errors cited in the Raw Sequence Listing Error Report. These amendments include further description of the Artificial Sequences (SEQ ID NOs 4-13) in the <220>-<223> fields, and correction of format (SEQ ID NO. 3). None of the amendments go beyond the scope of the disclosure as filed and therefore they do not constitute new matter. The Sequence Listing has been checked with Checker Version 3.0 Program. No error has been found.

Respectfully submitted,

McDonnell Boehnen Hulbert & Berghoff

Dated: September 27, 2001

By


Christopher P. Singer
Registration No. 48,701

McDONNELL BOEHNEN
HULBERT & BERGHOFF
300 South Wacker Drive
Chicago, Illinois 60606
312/913-0001 (telephone)
312/913-0002 (facsimile)